

	TRI-PARTY A	GREEMENT	
Change Notice Number			Date:
TPA-CN- 718	TPA CHANGE NO	OTICE FORM	May 12, 2016
Document Number, Title, and DOE/RL-2009-69, Inter LLBG WMA-4, Revision	rim Status Groundwater Mon	itoring Plan for	Date Document Last Issued:
Approved Change Notices	against this Document: N/A		
Originator: M. E. Byrnes			Phone: 509-373-3996
well and reflect samplindicator parameters	and Figure 3-1 need to boling requirements for the in 299-W18-22 in Table 3-eep wells will be used for	well. In addition	n, quad sampling for
	lan/document and will be processe	gulatory Agency ed in accordance with th	agree that the proposed change e Tri-Party Agreement Action Plan,
Section 9.0, Documentation	and Records, and not Chapter 12.	0, Changes to the Agre	ement.
modified to add an up been added to indicat monitoring wells, are regulatory requiremen	er Monitoring Network for	299-W18-21. In add 299-W15-17 and 299 poses only and are	dition, a footnote has 0-W18-22, which are deep a not required to satisfy
299-W18-21. In additi 299-W15-17 and 299-W1	for Wells in LLWMA-4 Grou on, a footnote has been ad 8-22, which are deep monit not required to satisfy r	dded to indicate s coring wells, are	sample data from wells
Note: Include affected page	number(s) 3-2, 3-4 and 3-5		
Justification and Impacts o	f Change:		
(A4933) to the monito:	to be revised to include ring network. Sampling req oed for monitoring wells i	mirements for thi	s well will be
Approvals:	1 - 4		
DOE Project Manager N/A	1 Cli-	5/12/2016 Dete	Approved [] Disapproved
EPA Project Manager Ecology Project Manager	>	Date 5/12/20/6	[] Approved [] Disapproved Approved [] Disapproved
		Date	

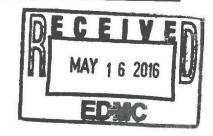


Table 3-1. Monitoring Network, Constituent List, and Sampling Frequency for LLWMA-4

			RCRA Required ^a Contaminant Indicator Parameters					Groundwater Quality Parameters						Supporting Constituents ^b				
Well Name	Purpose	WAC Compliant	Water Level ^c	эНά	Specific Conductance ^c	TOC		Anions			Metals (Unfiltered) ^d							
							тох	Chloride	Nitrate	Sulfate	Sodium	Iron	Manganese	Phenois	Temperature	Turbidity®	Dissolved Oxygen ^c	Alkalinity
299-W15-17 ^a	Downgradient	Υ	S	S	S	S	S	Α	Α	Α	Α	Α	Α	А	S	S	s	A
299-W15-30	Downgradient	Υ	S	S4	S4	S4	S4	Α	Α	А	A	A	Α	Α	S	S	s	A
299-W15-83	Downgradient	Υ	S	S4	S4	S4	S4	Α	Α	Α	Α	Α	Α	Α	S	S	S	· A
299-W15-94	Downgradient	Υ	S	S4	S4	S4	S4	Α	Α	Α	Α	Α	Α	Α	S	s	S	Α
299-W15-152	Downgradient	Υ	S	S4	S4	S4	S4	Α	Α	Α	Α	Α	Α	Α	S	S	S	Α
299-W15-224	Downgradient	Υ	S	S4	S4	S4	S4	Α	Α	Α	Α	Α	Α	Α	S	S	S	A
299-W18-21	<u>Upgradient</u>	Ţ	<u>s</u>	<u>S4</u>	<u>\$4</u>	<u>\$4</u>	<u>S4</u>	Δ	Δ	A	A	Δ	A	Δ	<u>s</u>	<u>s</u>	<u>s</u>	Δ
299-W18-22ª	Upgradient	Υ	S	S	S	S	S	Α	Α	Α	Α	Α	А	Α	S	s	S	A

a. Constituents and parameters required by 40 CFR 265.92, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities," "Sampling and Analysis."

b. Constituents are not required by RCRA but are needed to support interpretation.

c. Field measurement.

d. For anions, analytes include, but are not limited to, chloride, fluoride, nitrate, nitrite, and sulfate. For cations/metals, analytes include, but are not limited to, calcium, chromium, iron, magnesium, manganese, potassium, and sodium.

e. Deep monitoring wells used for information purposes only and not required to satisfy regulatory requirements.

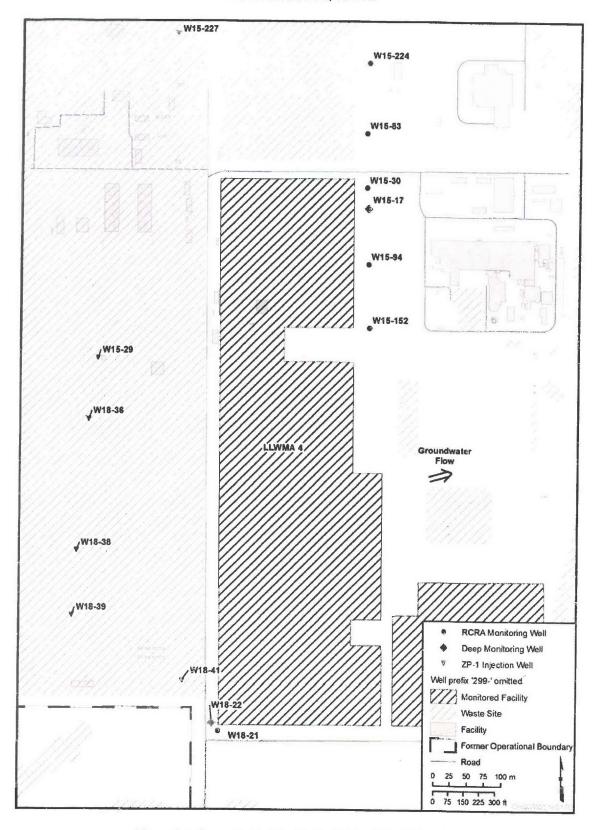


Figure 3-1. Groundwater Monitoring Network for LLWMA-4

Table 3-2. Attributes for Wells in LLWMA	4 Groundwater Monitoring Network
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Well Name	Completion Date	Easting (m)	Northing (m)	Top of Casing Elevation (m NAVD88)	Water Table Elevation (m amsl)*	Screened Interval Top (m amsi)	Screened Interval Bottom (m amsl)	Water Remaining (m)	
299-W15-17 ^a October 1987 566306.891		566306.891	135718.958	209.78	135.14	80.98	77.98	57.16	
299-W15-30	May 1995	588304.617	135748.936	210.13	135.08	143.67	131.49	3.59	
299-W15-83	September 2005	566304.52	135826.24	209.32	134.88	137.69	127.02	7.86	
299-W15-94	September 2005	566307.58	135640.34	209.86	135,26	137.90	126.23	9.03	
299-W15-152	September 2005	566309.40	135550.00	209.87	135.39	137.93	126.26	9.13	
299-W15-224	April 2006	566307.89	135926.08	209.19	134.64	137.41	126.74	7.90	
299-W18-21	July 1987	566097.70	134978.692	204.25	136.67	143.39	134.25	3.18	
299-W18-22ª	September 1987	566088.632	134990.157	204.86	136.33	77.91	68.46	67.87	

^{*} March 2011 water levels.

amsi = above mean sea level

NAVD88 = North American Vertical Datum of 1988

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